



WHARFEDALE
RURAL DISTRICT COUNCIL.

MEDICAL OFFICER'S
AND
SANITARY INSPECTOR'S
REPORT,
1920.

NORTHERN DIVISION.

Wharfedale Rural District Council.

MR. CHAIRMAN AND GENTLEMEN,

I beg to submit my Report on the health and sanitary conditions of the Northern Division of the District for the year ending December 31st, 1920.

The Division consists of 18 Townships, having at the Census of 1911 a population of 3,533, and an area of 37,528 acres.

The Geological formation of the District is mill stone grit, it is characterised by the high hills and moors above, there are two rivers running through it, from West to East, the Wharfe, and from North to South the Washburn which enters the Wharfe at Leathley.

The district is mainly agricultural, with the exceptions of Pool and Middleton which are residential, and where the increase of population is likely to occur. The inhabitants are mainly engaged in agriculture, a minority being employed in the workshops of neighbouring towns.

The estimated population for 1920 is 3,656, the actual population will be determined by the Census in April of this year.

Rainfall, 38.25 cubic inches.

Deaths.

The total number of deaths occurring in the district were 37, of these 25 were males and 12 females. Four of the deaths, 3 males and one female, died at Middleton Sanatorium and ordinarily resided outside this district, also one male child, a native of Ilkley, was accidentally drowned at Middleton, and 1 male resident of Burley was found drowned at Askwith, leaving 31 deaths for the district proper, 20 males and 11 females, to which must be added 1 male and 1 female resident who died outside the District, making the nett deaths 33, 21 males and 12 females, giving a death rate of 9.02 per 1,000, in 1919 it was 11.7 per 1,000. There was only 1 death in a child under 1 year, the Infantile Mortality Rate being 20 per 1,000 births, last year it was 69 per 1,000 births.

There were no uncertified deaths.

Three deaths resulted from Tuberculosis, giving a rate of 0.82 per 1,000, in 1919 it was 1.14 per 1,000. There were no deaths from the principal Zymotic diseases.

Ages at Death.

Under 1 year.	Over 1 Under 5	Over 5 Under 15	Over 15 Under 25	Over 25 Under 45	Over 45 Under 65	Over 65	Total.
1	1	3	...	3	8	17	33

Causes of Death.

Disease.						No. of cases.
Respiratory	...	...	...	...	...	4
Cardiac	...	...	...	...	...	3
Tuberculosis	...	...	...	...	...	3
Premature Birth	...	...	...	...	...	1
Cancer	...	...	...	...	...	4
Cerebral Hæmorrhage	...	...	...	...	...	5
Senile Decay	...	...	...	...	...	2
Appendicitis	...	...	...	...	...	1
Nervous System	...	...	...	...	...	2
Kidney	...	...	...	...	...	1
Gall Stones	...	...	...	...	...	1
Osteo myelitis	...	...	...	...	...	1
Urinary	...	...	...	...	...	3
Diabetes	...	...	...	...	...	1
Rheumatic Fever	...	...	...	...	...	1
						<hr/> 33

Births.

The total registered was 50, 20 boys and 30 girls, the Birth Rate being 13.87 per 1,000, in 1919 it was 12.28 per 1,000.

Notifiable Diseases.

Only three notifications were received during the whole year, this small number is unique in the Records of the district, in 1919 there were 25 notifications received.

Notifications.

Diphtheria	1 male, aged 24 years.
Do.	1 female, aged 9 years.
Erysipelas	1 female child aged 3 weeks. Total 3.

Locality of Notifications.

Middleton	1 diphtheria.
Stainburn	1 diphtheria, which was later sent home from the Isolation Hospital, as having been erroneously diagnosed.
Denton	1 erysipelas.

Details of Notification.

Mar. 9th	Female aged 9 years	Middleton	Diphtheria "A carrier."
Apl. 11th	Male aged 24 years	Stainburn	Diphtheria.
Oct. 26th	Female aged 3 weeks	Denton	Erysipelas.

Measles.

Fewston School was closed owing to measles from April 16th to May 7th, and from May 7th to May 31st.

Pool School was closed from May 19th to June 14th owing to an extensive outbreak of measles.

There have been no other epidemics of infectious disease to report. Immediately Notifications of Infectious Diseases are received, the infected houses are visited by the Sanitary Inspector, and if necessary, by myself.

The premises are carefully inspected, and every effort made to trace the source of infection. Absolute isolation and segregation of all contacts demanded, failing which, removal to the Isolation Hospital urged. Suggestions are made to prevent the spread of the infection, and at the termination of the case, careful disinfection of the dwelling is carried out. In the case of Diphtheria antitoxin is supplied gratis in necessitous cases.

Townships in Detail.

Water Supply and Sewage Disposal.

Arthington. A straggling village of scattered houses. Acreage 2,266. Population 512. Number of houses 92. Approximately 19 W.C.'s and 73 privy middens all covered. The village is partially sewered with proper sanitary pipes, ventilated, sewage disposal irrigation, the remaining houses dealing with their own sewage on the land. Water supply good and ample, and supplied from springs by owners and by Leeds Corporation.

Askwith. A village of scattered houses. Acreage 3,393. Population 189. Number of houses 45. Approximate number of W.C.'s 5. Privy middens 40, covered. It is partially sewered in proper sanitary pipes. The sewage disposal is irrigation—the remaining houses dealing with their own sewage on the land. Water supply good and ample—supplied partly by owners and partly by Otley U.D.C.

Blubberhouses. A few isolated houses. Area 3736 acres. Population 46. Number of houses 11. Each house disposes of its own sewage on the land. W.C.'s 2. Covered privy middens 9. Water supply satisfactory.

Castley. Area 524 acres. Population 47. Number of houses 8. Each house disposes of its own sewage on the land. Water supply good and adequate. W.C.'s nil. Covered privy middens 8.

Clifton with Norwood. Area 3627 acres. Population 210. Number of houses 65. Water supply good and ample. Each house disposes of its own sewage on the land. W.C.'s 2. Covered privy middens 63.

Farnley. Area 1959 acres. Population 189. Number of houses 35. Each house disposes of its own sewage on the land. Water supply good and adequate. W.C.'s 4. Covered privy middens 31.

Fewston. Acreage 2186. Population 135. Number of houses 50. Mostly owned by the Leeds Corporation. Each house disposes of its own sewage on the land. Water supply good. W.C.'s 2. Covered privy middens 48.

Leathley. Area 1565 acres. Population 150. Houses 30. Each house disposes of its own sewage on the land. Water supply Leeds Corporation. W.C.'s 6. Covered privy middens 24.

Lindley. Acreage 1789. Population 71. Houses 13. Each house disposes of its own sewage on the land. Water supply good. W.C.'s nil. Covered privy middens 13.

Middleton. Acreage 2658. Population 595. Houses 85. Sewage Disposal Works for residential part. In the agricultural part, each house disposes of its own sewage on the land. Water supply good. W.C.'s 64. Covered privy middens 21. Scavenging carried out by R.D.C.

REPORT OF SANITARY INSPECTOR FOR NORTHERN DIVISION OF THE WHARFEDALE RURAL DISTRICT.

Arthington. Arthington House—Horse Boxes converted into Cowshed.
 Ingfield Farm—Applies for registration.
 Nunnery Farm—Applies for registration.
 Mill Farm—Tank overflowing drains and inspection chamber full.
 Station House—Disinfected for cancer.
 Home Farm—Farm buildings and yard remodelled.
 Hillside—Water main burst.
 Reading Room—Pigsty converted into W.C.

Askwith. Lane Top Farm—Applies to be registered as Cowkeeper.
 Measles prevalent.

Denton. Vicarage. I thoroughly disinfected for consumption.
 Hole Beck Cottages—Ashpits full.
 Vicarage—Earth closet converted into W.C.
 Hall Farm—Applies for registration.
 Hall Gates Farm—Child with Erysipelas.

Lindley. Lindley Farm—Application for registration as Cowkeeper.

Fewston. Bence Cottage—Filthy man evicted. Gone to New Hall.
 Cottage cleaned.
 Cobby Syke—Five cases of measles.
 School—Closed for six weeks for measles.

Leathley. Stainburn Lane—Manure on road. Removed.
 The Park. Sewer Burst. Remedied.

Middleton. Ashfield—Roof defective—Bedroom damp—water closet defective. Put right.
 Child aged 9, Diphtheria carrier. Isolated at home.
 Winsover Farm—Applies for registration as Cowkeeper.
 March Ghyll—House defective.

Newall-with-Clifton. Clifton—Pump renovated.
 Copmanroyd—Pollution of water and shortage. Pump put into well.
 The Inn—Well cleaned out and drains attended to—house damp and insanitary. Nuisance remedied.
 Newall Carr—Sewage forming sump. Abated.

Nesfield-with-Langbar. West Hall—Two farmers registered as Purveyors.
 Upper Austby Farm—Registered as Cowkeeper.
 Layfield Farm—Registered as Cowkeeper.
 Village Well—Cleaned out.
 Woodend Cottage—Roof sagging. House damp.

Pool. Cornmill Cottage—Re-construction of drains has been completed.

Chapel Row—Boy diphtheria, removed to Hospital—house disinfected.

Old Bank Bottom—Spouting defective, pipes burst—abated.

Burton and Hill—Bedroom damp, roof sagging, chimney blown on to roof—partially repaired.

Hotel—Drain—Urinal—defective.

Newby's Farm—Midden insanitary. House damp.

Groves—Burst drain.

School—Closed for measles, four weeks—Premises thoroughly cleaned.

Bungalow—Applies to be a purveyor of Milk.

Halfmoon—Dirty cottages, nuisance abated.

Villas—New drains put in.

Caley Hall—Tank and filter bed defective—put right. Man died of consumption—house stoved.

Cragg View Cottages—Renovated.

Timble Great. Water put into house. Measles prevalent.

Stainburn. Bogridge Farm—Young man in Scarlet Fever, removed to Hospital. House stoved.

Weston. Low Dob Park Farm—New privy—new sink pipe and gully and house renovated.

Clifton-with-Norwood. Paddock Farm—Insanitary condition—now being remedied.

Folly Hall Farm—Insanitary condition—remedied.

East Farm, Norwood—Heifer died of anthrax. Body burnt in lime. Mistal whitewashed.

Thirty-five Cowsheds.

Four Purveyors.

I know of no complaints as to water supply, defective drainage, scavenging, or any other nuisance.

Your obedient Servant,

WM. SLATER,

Sanitary Inspector.



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WHARFEDALE
RURAL DISTRICT COUNCIL.

MEDICAL OFFICER'S
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REPORT,
1920.

SOUTHERN DIVISION.

Wharfedale Rural District Council.

MR. CHAIRMAN AND GENTLEMEN,

I beg to lay before you my Report on the health and sanitary condition of the Southern Division of the District for the year 1920, being the thirty-second Annual Report I have had the honour of submitting.

The geological formation of the district is limestone associated with millstone grit and sandstone, it is hilly and well wooded. With the exception of Adel and Menston, which are residential districts, the population is mostly engaged in agriculture and the factories of neighbouring towns.

Work in all trades was exceptionally good, and much above the average. There was no want in spite of the great increase in the cost of commodities.

The early monthly temperature was exceptionally mild with high winds in January, a beautiful fine March and very wet April, the summer months very wet, interfering seriously with the ingathering of the harvest, and summer weather during Christmas week.

The area of the district is 13,285 acres, the population including the Institutions as shewn by the 1911 census 5,849, and that of the district proper 3,737. The estimated population of the district proper for 1919 was 4,030, and that for 1920, 4,140. The assessable rateable value is £39,511.

There are six Public Elementary Schools, and the following Public Institutions:—the West Riding Asylum, Menston, the Wharfedale Union Joint Isolation Hospital, Menston, and the Cookridge Convalescent Hospitals in the Adel-cum-Eccup Township.

During the year there were registered 56 births, 23 males and 33 females, giving a rate of 13.52 per thousand, against 11.41 for last year.

First quarter 11, second 13, third 19, fourth 13.

The total number of deaths occurring in the district was 205, 98 males and 107 females, of which 168, 73 males and 95 females occurred in the Asylum, Menston; 5 males in the Isolation Hospital, and 4, 2 males and 2 females in the Cookridge Hospitals, leaving 28, 18 males and 10 females for the district proper. To these are to be added 4, 3 males and 1 female, which occurred outside the district but belonging thereto, and deducted 2 females occurring in the district but not belonging thereto. The nett number of deaths thus becomes 30, 21 males and 9 females, giving a rate of 7.24 per thousand, against 13.39 for last year.

First quarter 6, second 11, third 8, fourth 5.

Of deaths due to the chief epidemic diseases in the district proper there were none. Two deaths from Typhoid Fever occurred in the Asylum.

The number of deaths of children under one year of age was 3, giving an Infantile Mortality per 1,000 births of 53.5, against 86.9 for last year.

Two deaths occurred from Phthisis, giving a rate of 0.48 per thousand against 0.74 for last year.

Four of the deaths were respectively 78, 76, 70, 83.

One death was suicidal, a young man of Bramhope by hanging.

Rates District Proper 1890—1920.

Year.	Birth-rate.	Death-rate.	Zymotic Death-rate.	Phthisical Death-rate.	Infantile Mortality per 1,000 births.
1890	14.1	7.6	0.28	0.28	142.8
1891	17.9	12.1	0.32	1.32	160.8
1892	33.4	12.8	0.91	0.62	94.6
1893	20.93	13.43	0.62	0.70	149.5
1894	28.44	10.20	0.00	0.09	106.3
1895	25.29	13.81	1.22	0.77	101.2
1896	23.28	17.01	1.19	0.10	114.0
1897	22.94	11.76	0.29	1.05	102.5
1898	25.54	11.76	0.58	9.08	114.9
1899	16.37	17.24	1.72	8.56	210.5
1900	20.72	12.60	0.00	8.11	81.0
1901	19.17	11.78	1.90	0.54	128.5
1902	21.70	12.73	2.17	0.54	87.5
1903	19.57	12.33	0.00	0.80	123.2
1904	20.10	12.79	0.00	0.78	90.9
1905	19.89	12.14	0.51	1.02	103.8
1906	17.12	9.06	0.50	0.50	102.9
1907	16.20	12.40	0.75	0.75	78.1
1908	17.88	6.80	0.00	0.50	71.2
1909	15.75	9.50	0.25	0.50	63.4
1910	16.08	9.55	0.25	1.00	46.8
1911	17.83	11.71	1.06	1.06	89.5
1912	25.26	12.36	0.00	0.80	51.1
1913	14.24	8.65	0.50	5.02	35.7
1914	16.00	12.50	0.75	0.25	46.8
1915	14.46	9.75	0.00	1.24	17.2
1916	13.71	10.72	0.24	0.74	54.4
1917	10.72	9.22	0.00	0.49	46.5
1918	8.97	11.22	0.49	0.49	194.4
1919	11.41	13.39	0.06	0.74	86.9
1920	13.52	7.24	0.00	0.48	53.5

Table of Births, Deaths, etc.

Township.	No. of Houses.	£16 and under.	Popula- tion.	BIRTHS.			DEATHS.			Rate per 1,000.
				M.	F.	Total.	M.	F.	Total.	
Adel-c-Eccup	199	90	902	4	6	10	1	1	2	2.21
Alwoodley	75	20	258	...	3	3	1	...	1	3.87
Bramhope	109	80	522	2	4	6	2	1	3	5.74
Carlton	29	10	116	3	2	5	2	1	3	2.58
Esholt	93	50	355	4	7	11	1	...	1	2.83
Hawksworth	44	20	185	...	1	1	2	2	4	21.62
Menston	437	200	1802	10	10	20	12	4	16	8.87
Total District proper.	986	470	4140	23	33	56	21	9	30	
Menston Asy.			2033				73	95	168	
Cookridge H.			220				2	2	4	
Isolation H.			50				5	...	5	
Total			6443	23	33	56	101	106	207	

Deaths according to Age—District Proper.

Under 1 year.	Over 1 Under 2	Over 2 Under 5	Over 5 Under 15	Over 15 Under 25	Over 25 Under 45	Over 45 Under 65	Over 65	Total.
3	...	1	...	2	4	13	7	30

Cause of Death—District Proper.

Phthisis	...	...	...	...	...	2
Other Tubercular Disease				...	...	1
Cancer	...	...	...	...	...	7
Disease of the Heart			...	...	...	3
Disease of the Kidney	...		...	...	...	3
Disease of the Brain	...		...	...	...	6
Pneumonia	...	...	...	...	...	1
Debility at Birth			...	...	...	2
Rheumatoid Arthritis	...		...	...	...	1
Colitis	...	...	...	...	...	1
Marasmus	...	...	...	...	...	1
Suicide	...	...	...	...	...	1
Old Age	...	...	...	...	...	1
Total		...	...	...	...	30

Twelve cases of notifiable diseases were reported from the District Proper against 18 last year, viz.: Scarlet Fever 2, Diphtheria 3, Typhoid Fever 1, Erysipelas 3, Ophthalmia Neonatorum 1, Phthisis 1, Pneumonia 1. Measles ceased to be notifiable as from 1st January, 1920. The following cases were notified from Menston Asylum: Pneumonia 1, Erysipelas 6, Typhoid Fever 7, Phthisis 29, Other Tubercular Disease 2, Colitis 2, Dysentery 12, Diphtheria 1. Two cases of Erysipelas occurred in the Cookridge Hospitals. Three cases of Diphtheria, 2 of Scarlet Fever and 1 of Typhoid Fever were removed to Hospital.

The cost of the Hospital treatment for the Northern and Southern Divisions of the District for the year ending 31st March, 1920 was: General Expenses £970 17s. 9d., Maintenance Expenses £79 12 0d., the number of cases during that period being 21.

Notifications—District Proper.

	Under 1 year.	Over 1 under 5	Over 5 under 15	Over 15 under 25	Over 25 under 45	Over 45 under 65	Over 65	Total.
Measles
Diphtheria	1	2	..	..	..	3
Scarlet Fever	2	..	..	..	..	2
Typhoid Fever	1	..	..	1
Erysipelas	1	..	..	..	2	..	3
Phthisis	1	..	..	1
Ophthalmia Neonatorum	1	..	..	..	..	..	..	1
Pneumonia	1	..	..	..	..	..	1
Dysentery
Malaria
Total ..	1	2	3	2	2	2	..	12

Notification according to Localities—District Proper.

Township.	Erysip- elas.	Diphth- eria.	Scarlet Fever.	Phth- isis.	Other Tuber. Disease.	Pneu- monia.	Ophthal. Neonat.	Typhoid Fever.	Total.
Adel-c-Eccup	..	..	..	..	..	..	..	..	..
Alwoodley ..	..	..	..	..	..	..	1	..	1
Bramhope ..	..	..	..	..	..	..	..	..	..
Carlton ..	..	..	..	..	..	..	..	..	..
Esholt ..	..	..	1	..	..	..	..	..	1
Hawthorn ..	..	..	..	..	..	1	..	..	1
Menston ..	3	3	1	1	..	..	..	1	9
Total ..	3	3	2	1	..	1	1	1	12

Notifications--District Proper.

January	19	Female, aged 9.	East Parade, Menston.	Diphtheria. Hospital.
February	11	Female, 6 days.	Alwoodley.	Ophthalmia Neonatorum.
„	15	Male, aged 33.	Dale View Crescent, Menston.	Typhoid Fever. Hospital.
„	15	Male, aged 4.	Hawksworth.	Pneumonia.
March	20	Male, aged 1.	Ashfield Place, Menston.	Erysipelas.
April	28	Male, aged 5.	Esholt.	Scarlet Fever. Hospital.
July	20	Female, aged 52.	Stocks Hill, Menston.	Erysipelas.
August	15	Female, aged 17.	Walker's Buildings, Menston.	Diph- theria. Hospital.
„	19	Male, aged 36.	Grosvenor Crescent, Menston.	Phthisis.
October	31	Male, aged 22.	Menston.	Diphtheria. Hospital.
November	25	Female, aged 47.	Stocks Hill, Menston.	Erysipelas.
December	7	Male, aged 7.	Dicks Garth Road, Menston.	Scarlet Fever. Hospital.

Measles.

The Adel School was closed from January 8th till the 26th by the County Education Authority. The Bramhope School from February 7th till the 23rd on my recommendation. In each case the Sunday Schools were also closed for a similar period by the courtesy of the Superintendents; this also applied in the case of the Menston Sunday Schools for three weeks in July, when the Elementary School was up for the Summer Vacation. No deaths occurred.

Whooping Cough.

On June 8th the Eccup School was closed till the 28th, and on August 19th till September 6th the Infant Department of the Menston School. No deaths occurred.

Mumps.

A slight outbreak occurred in Menston during March.

Scarlet Fever.

Two cases were reported against two last year. The first occurred April 28th in the Esholt Township, where the boy arrived the day previous from an inland Health Resort: the second, December 7th in Dicks Garth Road, Menston. Both were removed to Hospital.

Diphtheria.

Three cases were reported against one last year. The first occurred January 19th in East Parade, Menston, the second August 15th in Walker's Buildings, Menston, and the third October 31st, St. John's Park, Menston, contracted outside the District, all were removed to Hospital. One case occurred in the Menston Asylum.

Typhoid Fever.

One case occurred in Menston on February 15th, contracted outside the District and removed to Hospital. The last previous case in the District Proper was reported March 18th, 1918. Seven cases occurred in the Menston Asylum.

It is most gratifying to record the small number of cases of Infectious Diseases reported year after year. In the District Proper the total number of cases notified during the last four years of Scarlet Fever was 15, Diphtheria 6, Typhoid Fever 3.

Tubercular Disease.

Thirty cases of Pulmonary Tuberculosis and 2 of Non-Pulmonary Tuberculosis were reported against 37 and 3 respectively last year. Thirty-one of these occurred in the Asylum. All houses affected are visited and a record kept of the number of inmates and rooms, water supply, ventilation and sanitary arrangements, leaflets of instruction are provided, and in case of death or removal, the rooms disinfected. Provision is made by the County Council for the treatment of such cases in Sanatoria, and insured persons are supplied with extra nourishment, etc., by the Local Insurance Committee. A Dispensary with two beds for observation has been established at Otley, with a staff of one Tuberculosis Officer and two Nurses.

No cases of Tuberculosis in cattle were reported. Arrangements are made for the inspection of suspicious cattle by Veterinary Surgeons.

Immediately on receipt of notification of Infectious Disease, including Tuberculosis, the infected houses are visited by the Inspector and myself, and the use of the Isolation Hospital offered. Enquiries are made as to the probable source of infection, and an inspection made of the sanitary accommodation, water supply and condition of the houses. If the case is treated at home, it is seen that efficient isolation is available, and the remaining members of the household are requested not to attend places of worship or other public gatherings, children being withdrawn from the Day and Sunday Schools. At the termination of the case or on removal to Hospital the rooms are disinfected by the Inspector. In the case of Diphtheria, anti-toxin is supplied free of charge in necessitous cases.

Water Supplies.

Township.					Number of Houses.	Number on Public Supply.
Adel-cum-Eccup	..	..	..	..	199	100
Alwoodley	..	..	..	..	75	44
Bramhope	..	..	..	..	109	94
Carlton ..	..	..	..	..	29	26
Esholt ..	..	..	..	..	93	90
Hawthorth	..	..	..	..	44	41
Menston	..	..	..	..	436	432

Adel-cum-Eccup. The houses in this district are scattered, the outlying farms and the Cookridge Hospitals have private supplies. The hamlet of Eccup has a common supply. Certain houses at New

Adel have not a supply within a reasonable distance (140 yards), there is a standpipe connected with the Leeds Mains, but at such a distance from the houses as not to constitute an efficient supply, and further, owing to want of pressure is not constant. Ten houses and farms at Cookridge are without a satisfactory supply.

Alwoodley. Of the 75 houses, 44 are on the Public Supply, the outlying houses and farms having private ones.

Bramhope. The supply is from spring water collected in a reservoir supplemented by a second small reservoir which was constructed in 1902. There is an elevated tank in the village, supplied from a deep well near the railway tunnel, and unless careful attention is given to the pumping in order to keep it full, there is not sufficient pressure to reach the houses on the higher ground. The works are in private ownership, but the question of the Council taking them over is under consideration.

Carlton. For East and West Carlton a very satisfactory supply was provided by the owner of the estate some years ago, a spring in Yorkgate being utilised and the water piped to each house. Additional provision has been made for the supply of the Manor House. For the houses at Moorside a supply is also provided by the owner of the estate.

Esholt. The supply to this village is from the mains of the Yeadon Water Company, whose gathering ground is Rombalds Moor. The water is plumbo-solvent, but is treated before distribution. The Keeper's House and three cottages on the Island, Esholt Springs, the property of the Bradford City Council, are without an efficient supply.

Hawksworth. The supply is from a spring, the water being laid on to the houses by the owner of the estate, supplemented from the mains of the Yeadon Water Company, which pass through the village. The Hall and Golf House are supplied from this source.

Menston. The works are in the hands of the Council, the gathering ground being the Moor, there are also deep springs. The reservoir is on the edge of the Moor. In case of need an augmented supply is obtained from the Burley Works. The County Asylum is supplied by pumping from a deep well on the estate. Under Parliamentary Powers obtained in 1916 by the Yeadon Water Company, provision is made for a further supply to the Asylum by that Company. During the year an addition of some 40 acres of gathering ground has been purchased to augment the village supply.

Sewerage and Sewage Disposal.

Closet Accommodation.

Township.	Number of Houses.	Water Closets.	Dry Earth Closets.	Open Middens.
Adel-cum-Eccup	199	64	66	45
Alwoodley ..	75	41	12	14
Bramhope ..	109	48	40	24
Carlton	29	14	8	8
Esholt	93	34	35	16
Hawksworth ..	44	13	14	10
Menston ..	436	208	134	14

The open middens are in connection with the outlying farm houses.

Adel-cum-Eccup. The Township comprises an area of 4,809 acres, with 199 houses, which are very scattered. The sewage is disposed of either by being discharged directly on to land or into cesspools, the overflow from which, in some cases, discharges into streams. A scheme for the disposal of the sewage by entry into the sewers of the Leeds City Council was submitted to, and sanctioned by the Local Government Board in 1912. Owing to the sudden increase in the cost of labour and materials a further loan was necessary; this was granted. The contracts were let and the work commenced, but owing to financial questions through the outbreak of hostilities the work was suspended for a time, then it was decided to resume operations in order to complete the drainage of one area of the district. This was done, but until the extension of the Leeds Sewers which are to receive the sewage is undertaken, no connections can be made, this work is at present in abeyance. The sewage of the Cookridge Hospitals is dealt with in septic tanks in the grounds.

Alwoodley. The sewage is partly dealt with on land or gardens adjoining the houses. Until the present year that of 17 houses was collected in a settling tank, the overflow being discharged on to land, but the results were not satisfactory, the owner of the estate has during the year completed a scheme dealing with sewage of some 32 houses, which up to the present has proved efficient.

Bramhope. The village area of the Township is efficiently sewered with sanitary socketed pipes which are ventilated, the sewage being dealt with by broad irrigation before discharging into the stream. A scheme for the treatment of thirteen houses at Bramhope Moor was completed in 1913, all have been connected.

Carlton. Sewage from the houses at East Carlton is dealt with by a very satisfactory scheme provided by the owner of the estate. It is run into a tank of breeze, the effluent being innocuous, that of the Manor House is dealt with in a similar manner.

Esholt. The village is sewered by sanitary socketed pipes which are ventilated. The sewage is dealt with by intermittent downward filtration before being discharged into the river.

Hawksworth. The village is efficiently sewered, the sewage being discharged into a settling tank and the overflow on to land. The cost of the scheme was borne by the owner of the estate.

Menston. The village is efficiently sewered by sanitary socketed pipes which are ventilated. The sewage is dealt with jointly with that of the Burley Urban Council by intermittent downward filtration previous to being discharged into the river.

The only Townships in which the scavenging is systematically dealt with are Adel and Menston, where it is contracted for. In the remainder the contents of the middens are removed by the local farmers and used as manure.

Rivers Pollution.

With the exception of the Township of Adel-cum-Eccup, no pollution occurs, and as previously referred to, a scheme for the sewerage and treatment of the sewage of the district has already received the sanction of the Board. Part of the work has been completed.

Housing and Town Planning Act, 1909.

Of the 986 houses in the district 470 are of the value of £16 or under. They are, with few exceptions, substantially built of stone, dry, well

lighted and drained. The inspection was commenced during the later months of 1910, 30 were dealt with during 1911, 105 during 1912, 91 during 1913, 71 during 1914, and 5 during 1915.

Sanitary Work.

At the close of 1919 five nuisances remained to be dealt with, 7 were reported during 1920, 10 have been abated and 2 remain to be dealt with. At the New Inn and cottages adjoining in the Eccup Township, the sewage was found to back up into the houses owing to the want of fall in the drain; this has been remedied. An offensive nuisance at Grosvenor Crescent, Menston, from the keeping of poultry has been dealt with. Blocked drains at South View and behind the Menston Arms, Menston, have been relieved. Overflow of sewage at St. Leonard's Farm, Esholt, has been abated. At Walker's Buildings, Menston, six closets are to be converted into water-closets, and four reconstructed and fit up with water disposal. A satisfactory sewage disposal scheme for certain houses at Alwoodley has been completed during the year. On December 6th owing to the representation of H.M. Inspector of Factories, Mr. Slater and myself inspected Cookridge Mills, respecting the means of escape in case of fire and these we found not to be sufficient. Last year I had occasion to report on the blocking of the main drains at the National Children's Home, Bramhope, owing to the want of fall. Mr. Morley, Architect, writes under date 15th December, 1920 :—" The main drains have been relaid and are working properly. We hope to have a much improved flush when our new water tower is completed, which is now in progress. We have also bored a new well and are installing a more powerful engine so that the water supply will be ample for all purposes."

I wish here to place on record my appreciation of the services rendered to the Council and myself by Mr. Morfitt, our Sanitary Inspector, during the thirty-two years I have had the privilege of being associated with him, and who died late in the year.

Factory and Workshops Act, 1901.

There are in the district the following Workshops and Workplaces—

Adel-cum-Eccup.—Joiners 2, Blacksmiths 2, Wheelwrights 1.

Alwoodley.—Nil.

Bramhope.—Joiners 2, Blacksmiths 1, Dressmakers 1, Bootmakers 1.

Carlton.—Nil.

Esholt.—Blacksmiths 1, Bootmakers 1.

Hawksworth.—Joiners 1.

Menston.—Joiners 2, Tailors 2, Bootmakers 3, Dressmakers 3, Blacksmiths 1, Milliners 1, Factory Laundry 1, Bakehouses 2.

No outwork is given out in the district.

The dimensions of all the Workshops with the number of employees are registered, they have been inspected during the year and found to be in the following condition as regards—

Cleanliness.—Clean and free from effluvia.

Air Space.—Equal to 250 cubic feet for day work and 400 for overtime.

Ventilation.—Satisfactory.

Drainage of Floors.—The only floors liable to be wet are the Blacksmiths, they have satisfactory floors.

Sanitary Accommodation.—Efficient.

There is one underground Bakehouse which is registered.

Appended are Tables I., II., III., IV. and Form 572 of the Factory and Workshops Act, 1901. A copy of that portion of the Report dealing with the Factory and Workshops Act and Form 572 were sent to the Home Office on January 1st, 1921, as required.

I am, Gentlemen,

Your obedient servant,

W. H. CHEETHAM, M.D., D.P.H.

Guiseley,

4th January, 1921.

TABLE I. Vital Statistics of Whole District during 1920 and previous Years.

Year.	Population estimated to Middle of each Year.	Births.		Total Deaths Registered in the District.		Transferable Deaths. †		Nett Deaths belonging to the District.			
		Nett.				of Non-residents registered in the District. †	of Residents not registered in the District. †	Under 1 Year of Age.		At all Ages.	
		Number. †	Rate.	Number. *	Rate.			Number. *	Rate per 1,000 Nett Births.	Number. *	Rate.
I	2	3	4	5	6	7	8	9	10	11	12
1915	D 4010 I 2484	58	14.46	322	..	237	4	1	17.2	39	9.75
1916	D 4010 I 2462	55	13.71	321	..	283	5	3	54.5	43	10.72
1917	D 4010 I 2418	43	10.72	328	..	297	6	2	46.3	37	9.22
1918	D 4010 I 2130	36	8.97	460	..	419	4	7	194.4	45	11.22
1919	D 4030 I 2130	46	11.41	249	..	200	5	4	86.9	54	13.39
1920	D 4140 I 2303	56	13.52	205	..	179	4	3	53.5	30	7.24

Area of District in acres (land and inland water) .. 12,285.

Total population at all ages D 3757

I 2092

Total families or separate occupiers .. 942

Average number of persons per house .. 4.21

} At Census, 1911.

NOTE.—D indicates District Proper. I Institution.

TABLE II. Cases of Infectious Disease notified during the year 1920.

Notifiable Disease.	Number of Cases Notified.								Total Cases Notified in each Locality.						Total Cases removed to Hospital.	
	At all Ages.	At Ages—Years.							Adel-c-Eccup.	Alwoodley.	Bramhope.	Carlton.	Esholt.	Hawksworth.		Menston.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards								
Diphtheria (including Membranous Croup)	3	..	1	2	..	..	..	..	..	..	..	..	..	..	3	3
Erysipelas ..	3	..	1	..	..	..	2	..	..	..	..	..	..	..	3	..
Scarlet Fever ..	2	..	2	..	..	..	..	..	..	..	..	1	..	..	1	2
Pulmonary Tubercu.	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..
Tuberculosis, other forms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia ..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..
Enteric Fever ..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..
Ophthalmia Neonat.	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Totals ..	12	1	2	3	2	2	2	2	2	2	..	..	1	1	9	6

Wharfedale Union Joint Isolation Hospital at Menston in this area } Wharfedale Union Joint
 Wharfedale Union Joint Small Pox Hospital in the Guiseley Urban area } Hospital Board.
 Sanatoria provided by the County Council.

TABLE III.

Deaths registered during the Calendar Year 1920 classified by age and cause.

Cause of Death.	Nett Deaths at the Subjoined Ages of "Residents" whether occurring within or without the District.								Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.
	All Ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.
All causes	30	3	..	1	..	2	4	13	7
Certified	..	..	..	..	..	..	..	..	..
Uncertified	..	..	..	..	..	..	..	..	..
Enteric Fever ..	..	..	..	..	..	..	..	..	3
Scarlet Fever ..	..	..	..	..	..	..	..	..	1
Diphtheria and Croup ..	..	..	..	..	..	..	..	..	3
Influenza ..	..	..	..	..	..	..	..	..	..
Phthisis (Pulmon. Tub.)	2	..	..	..	..	..	2	..	..
Tuberculous Meningitis ..	..	..	..	..	..	..	..	..	14
Other Tub'culous Diseases	1	..	..	..	..	..	..	1	1
Cancer, malignant disease	7	..	..	..	..	..	..	4	..
Organic Heart Disease ..	3	..	..	..	..	1	..	1	3
Bronchitis..	..	..	..	..	..	..	..	..	30
Pneumonia (all forms) ..	1	..	..	..	..	..	..	1	3
Congen. Debility and Malformation, inc. Prem. Birth	2	2	..	..	..	..	..	..	3
Nephritis & Bright's Dis.	3	..	..	..	..	..	1	2	6
Violent Deaths, excluding Suicide ..	..	..	..	..	..	..	..	..	..
Suicide ..	1	..	..	..	..	1	..	..	4
Other Defined Diseases ..	9	1	..	1	..	..	1	4	1
Diseases ill-defined or unknown ..	1	..	..	..	..	..	..	..	..
Totals ..	30	3	..	1	..	2	4	13	7
									173

TABLE IV.
Infantile Mortality, 1919. Nett Deaths from stated causes at various Ages under 1 Year of Age.

Cause of Death.	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 year.
All causes	1	1	2	..	1	..	..	3
Certified
Uncertified
Convulsions	1	..	..	1
Atrophy, Debility and Marasmus	1	1	2	..	..	..	..	2
Totals	1	1	2	..	1	..	..	3
Nett Births in the year	legitimate	..	56	Nett Deaths in the year	legitimate infants	..	3			

Form 572.

Inspection of Factories, Workshops, and Workplaces, including inspections made by Sanitary Inspector or Inspector of Nuisances.

				Inspections.
Factories, including Factory Laundries	...	...	...	1
Workshops, including Workshop Laundries	...	...	...	22
Total	...	...	...	<u>23</u>

Registered Workshops.

Total number of Workshops on Register	...	...	...	22
Underground Bakehouses in use at end of year	...	...	...	1
